

ABSTRACT

1 A data processing method with a state-restoring function in which a
2 data-processing device is in an initial state before supplying of a main power source;
3 the device activates BIOS when the power source supplies, and discriminates whether
4 a store device is stored therein environmental parameters before power interruption, if
5 no, the operating system is activated to enter an operating mode. When the power
6 source is interrupted, the data-processing device uses a spare power source to execute
7 a waiting procedure, if now the main power source is resumed, the data-processing
8 device immediately restores the operating mode. If the main power source has not yet
9 been resumed at the end of the waiting procedure, the data-processing device stores
10 the environmental parameters in the store device and reboots. Then the
11 data-processing device continuously discriminates whether supplying of the main
12 power source has been resumed until the restoration. If the main power source is
13 resumed, the data-processing device automatically enters the booting process, and
14 restores the state before interruption using the environmental parameters to update the
15 operation environment of the data-processing device.